SRX-R815DS

Dual 4K projection solution with laser light source for large cinema screens

Overview

HDR-ready 4K laser projection system

The SRX-R815DS is an HDR-ready laser projection system with an industry-leading contrast ratio of 10,000:1 and brightness of 30,000 lumens for stunning presentation of standard cinema content on large screens as well as High Dynamic Range (HDR) on suitably sized screens. It provides outstanding crispness from a combination of Sony’s Silicon X-tal Reflective Display (SXRD) panel technology and 4K optics. Its long-life light source introduces operational efficiency by eliminating the need for lamp replacement.

The SRX-R815DS combines two Sony SRX-R815 projectors to deliver a 30,000 lumen total output. This dual configuration delivers reference light levels for 2D presentation on screens up to 24.9m (14ft-L on white screen with 1.8 gain), or 3D on screens up to 26.3m (4.5ft-L on silver screen with 2.4 gain) and is fully DCI compliant.

The SRX-R815DS projector pair can be operated either side-by-side to suit any projection booth. Set-up is quick and easy, using the smart auto alignment system that comes included with the package.

Features

HDR-ready thanks to high contrast for life-like images

The SRX-R815DS optical engine can create high contrast 10000:1 that could beautifully delineate highdynamic- range (HDR) content images by reducing leaked light, giving a more life-like picture with very dark blacks.

Bright, high quality 4K projection solution for larger cinema screens

The SRX-R815DS combines two Sony SRX-R815 4K projectors that conform to the DCI specification to deliver a 30,000 lumen total output. This dual configuration delivers reference light levels for 2D presentation on screens up to 24.9m (14ft-L on white screen with 1.8 gain), or 3D on screens up to 26.3m (4.5ft-L on silver screen with 2.4 gain).

Highly-efficient 3D Projection Capability

By the use of SXRD panels that could provide outstanding light efficiency, the SRX-R815 Dual Projection System could provide brightness that is ideal for 3D projection. It should be 30% brighter than the 3D system of the standard projectors. It could cover screen size that is 12m or more.

True 4K images for the highest on-screen picture quality

The SRX-R815DS projector pair delivers true 4K projection conforming to DCI specification, with 4096 x 2160 pixels - four times the resolution of 2K and Full HD. Each projector's large aperture F2.5 lens is made from ELD (Extra Low Dispersion)

glass to ensure the highest quality 4K images.

Long-lasting laser light source
The SRX-R815DS features laser light source which diminishes the need of lamp replacement that is typically required for lamp projectors.

Easy-on-the-eye Sony 3D performance with no flashing
Sony’s unique dual lens system displays 3D movies. The dual lens combined with 3D technology projects the Left and Right eye images simultaneously to achieve crisp 3D images, giving none of the flashing problems associated with systems that use “triple flash” image alternation technology.

Quick, easy set-up with auto alignment system
The smart auto alignment system that comes included ensures accurately calibrated images across the whole cinema screen. Alignment can also be performed easily at any time during routine maintenance to ensure optimal performance.

Flexible, secure installation
The SRX-R815DS can be operated conveniently side-by-side to suit virtually any projection booth. Each projector's body structure forms a security enclosure specifically developed to comply with the FIPS-140/2 physical security and anti-tamper requirements specified by the DCI. Both projectors are linked by a DCI compliant security conduit.

Specifications

Display system	
Display system	4K SXRD projection system

Display device	
Size of effective display area	1.48” x 3 per projector
Number of pixels	26,542,080 (4096 x 2160 x 3) pixels per projector

Light source	
Type	Laser diode

Light source brightness stability *1	
Light source brightness stability	35,000H / 80% (25℃ room temperature)

Light output (average)	
Light output	30,000 lm

INPUT OUTPUT	
Video input	HDMI (2) *2

Audio output	Unbalance, 8 channels, 24 bit, 48/96 kHz, linear PCM, D-sub 25-pin (female) (1) AES/EBU, 16 channels, 24 bit, 48/96 kHz, linear PCM, D-sub 25-pin (female) (1)

Playback format

JPEG 2000	4K 2D: 24p 2K 2D: 24p/25p*3/29.97p*3/30p*3/48p/60p 2K 3D: 24p/29.97p*3/30p*3/48p/60p
MPEG2*4	MP@HL, YUV420 /422 8 bit, 80 Mbps (max.) bitrate, 1920 × 1080, 23.98p/24p/25p

Operating temperature and humidity

Operating temperature / Operating humidity	Operating temperature: 5°C to 35°C (41°F to 95°F) / Operating humidity: 35% to 85% (no condensation)

Storage temperature and humidity *5

Storage temperature / Storage humidity	Storage temperature: -20°C to +60°C (-4°F to +140°F) / Storage humidity: 10% to 90% (no condensation)

Power requirements

Power requirements	AC 200 V to 240 V, 19.3 A to 16 A, 50/60 Hz, Single Phase per projector (excluding chiller)

Dimensions (W x H x D) *6

Dimensions (W x H x D)	544 x 827 x 1239 mm, per projector

Optional accessories

Projection lenses (2D)	LKRL-Z511/LKRL-Z514 LKRL-Z519 : For areas other than China

Notes

*1	It is based only upon deterioration of light source (laser diode) at 25℃ room temperature, and, does not take account on the effect of dust etc. Plus, the speed of deterioration varies by the environment of usage, and thus, it does not guarantee the life/brightness of the light source.
*2	Audio signals included in HDMI cannot be output from the audio output connector of this unit.

*3	Digital watermarking (Watermarking) is not supported.
*4	Digital watermarking (Watermarking) and playback of subtitle files are not supported.
*5	This product requires external chiller for cooling system. Please contact your Sony representative in your region. Cooling-liquid from the chiller must completely be drained/removed from the projector under 0°C (32°F) room temperature.
*6	Including lens shift block and feet. Excluding touch panel monitor and projection parts (Status lights, ducts, etc)

Gallery